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| --- |
| Inland Revenue |
| Build Pack  <Name of solution>  **Date:** xx/xx/xxxx  **Version**: nn |
| IN CONFIDENCE - HIGHLY PROTECTED |

**About this Document**

This document is intended to provide all technical detail required to consume the digital service offered by Inland Revenue. This is a standalone technical document that supports the on boarding processes of an end to end solution. The associated on-boarding document(s) describe the end-to-end business level solution, of which this build pack is part of. This document describes the architecture of the technical solution, interaction with other build packs, schemas, endpoints and provides sample payloads to use in non-production environments.

**Document Control**

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| The following people have supported the development of this document:  <Name, Position> |  |  |  |
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# Overview

## This solution

<High level, technically oriented description of the solution. What does the service do? How does it fulfil the purpose? How is it used? Is there a limited consumption audience?>

**Editor**- FAST Team

## Intended audience

<Target customer list. Can be inclusion oriented (assuming all others are excluded), exclusion oriented (assuming all can consume the service unless named), or explicitly stated as available to all capable parties>

**Editor**- Troy Young

## Supported on boarding services

The following IR on boarding packs are supported by this build pack:

1. <A list of associated IR on-boarding packs supported by this specific build pack>

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## Related build packs

The following IR on build packs compliment this:

1. <A list of associated IR on-boarding packs supported by this specific build pack>
2. <e.g. XIAMS build pack >
3. <e.g. Gateway Services – Customer, Account and Intermediation>
4. <e.g. Gateway Services - Correspondence>
5. <e.g. Gateway Services – Transactional data>

## Pre-requisites

<Define list of URLs (Return URLs), Environments, Test Data etc.>

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|  |  |  |
| --- | --- | --- |
| Connection | URL | Address that the external party will connect to |
| URL that the external party will connect to | <<https://test.online-login.ird.govt.nz/....>> | This is the address that the external party will connect to |
| IR IP Address range that the external party will connect to | Connect to the following IR IP addresses on port 4443:  Production: xx.xx.xx.xx  Quality (Test): xx.xx.xx.xx  If required- Please whitelist this port and IP addresses for outbound traffic | Allows the external party to restrict traffic to known IR IP addresses and ports (if applicable)  Eg. (Examples only)  xx.xx.xx.xx |
| Provide the IR xx Certificate to the external party | <Certificate> | Allows the third party to encrypt traffic sent to IR so that only IR can decrypt it.  Certificate file(s) for production and any test environments. This can be a link to a shared space. |

# Solution Design

## Architecture

<Define high level solution architecture aimed to make customer understand>

**Editor**- FAST Team + Architect

## Service Scope

<Define detailed description of services>

**Editor**- FAST Team + Architect

## Messaging

<Define messaging requirements>

**Editor**- FAST Team + Architect

## Security

<Define security check points/parameters>

**Editor**- FAST Team + Architect

## Non-functional Requirements

<Define any non-functional requirements such as performance, response time, transaction volume etc.)

**Editor**- BA Team

# Operations

<Define business use cases and scenarios to test the system with various personas and use cases>

**Editor**- FAST Team

## File

### GST usage

<<List of uses cases>>

### AIM usage

<<List of uses cases>>

### EII usage

<<List of uses cases>>

## Prepop

### GST usage

<<List of uses cases>>

### AIM usage

<<List of uses cases>>

### EII usage

<<List of uses cases>>

## GetStatus

### GST usage

<<List of uses cases>>

### AIM usage

<<List of uses cases>>

### EII usage

*Example text*: The GetSatus operation is not supported for EII

## GetReturn

### GST usage

<<List of uses cases>>

### AIM usage

<<List of uses cases>>

## GetFilingObligation

### GST usage

<<List of uses cases>>

### AIM usage

<<List of uses cases>>

Other operations TBC

**Returns**

SubmitSOA

GetProvStatus

GetSOAStatus

RefundOverpayment

GetINCReturnInfo

**Intermediation**

AgentClientLink

AgentClientDelink

GetClientList

SoftwareIntLink

SoftwareIntDelink

SoftwareIntUpdateRelationship

Employer/eeRelationLink

Employer/eeRelationDelink

Employer/eeRelationUpdate

# End Points, Schemas and WSDLs

**Editor**- FAST Team

## End Points

<Define system end points>

## Schemas

<Define schemas>

## WSDLs

<Define WSDLs>

# Responses

<Define business use cases and scenarios to test the system with various personas and use cases>

**Editor**- FAST Team

## Response/Status codes

<Define list of Response/Status Codes>

|  |  |
| --- | --- |
| Response | Description |
| 2 | Description |
|  |  |

## Error codes

<Define list of error codes and troubleshooting methods>

|  |  |
| --- | --- |
| Error Code | Description |
| Error <code> | Description |
|  |  |

# Use cases and test data

<Define business use cases and scenarios to test the system with various personas and use cases>

**Editor**- BA Team

## Use Cases

### Use Case 1-

#### Scenario 1

#### Scenario 2

### Use Case 2

#### Scenario 1

#### Scenario 2

# Appendix A – Sample payloads

**Editor**- FAST Team

## File

### GST payloads

<Sample payloads including expected response or error code for each>

### AIM payloads

<Sample payloads including expected response or error code for each>

## Prepop

### GST payloads

<Sample payloads including expected response or error code for each>

### AIM payloads

<Sample payloads including expected response or error code for each>

### EII payloads

<Sample payloads including expected response or error code for each>

## GetStatus

### GST payloads

<Sample payloads including expected response or error code for each>

### AIM payloads

<Sample payloads including expected response or error code for each>

## GetReturn

### GST payloads

<Sample payloads including expected response or error code for each>

### AIM payloads

<Sample payloads including expected response or error code for each>

## GetFilingObligation

### GST payloads

<Sample payloads including expected response or error code for each>

### AIM payloads

<Sample payloads including expected response or error code for each>

# Appendix B – Glossary

<Terminology used in this document>

|  |  |
| --- | --- |
| Term | Meaning |
| Abbreviation/Term | Description |
|  |  |

**Editor**- BA Team

# Appendix C – Change log

<List of modifications to this document>

**Editor**- ITDL